

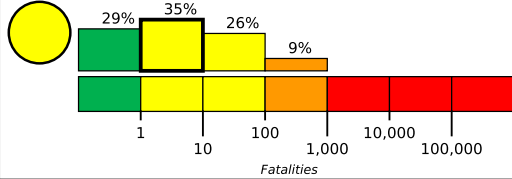
M 5.8, 26km ESE of Saray, Turkey

Origin Time: 2020-02-23 05:53:01 UTC (Sun 09:23:01 local)

Location: 38.5429° N 44.4465° E Depth: 10.0 km

Created: 5 days, 1 hour after earthquake

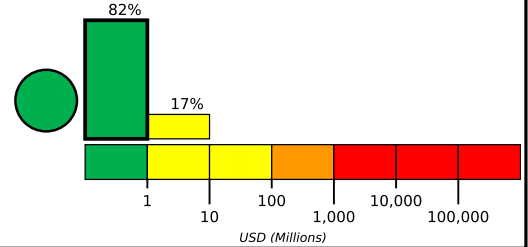
Estimated Fatalities



Yellow alert for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert for economic losses. There is a low likelihood of damage.

Estimated Economic Losses

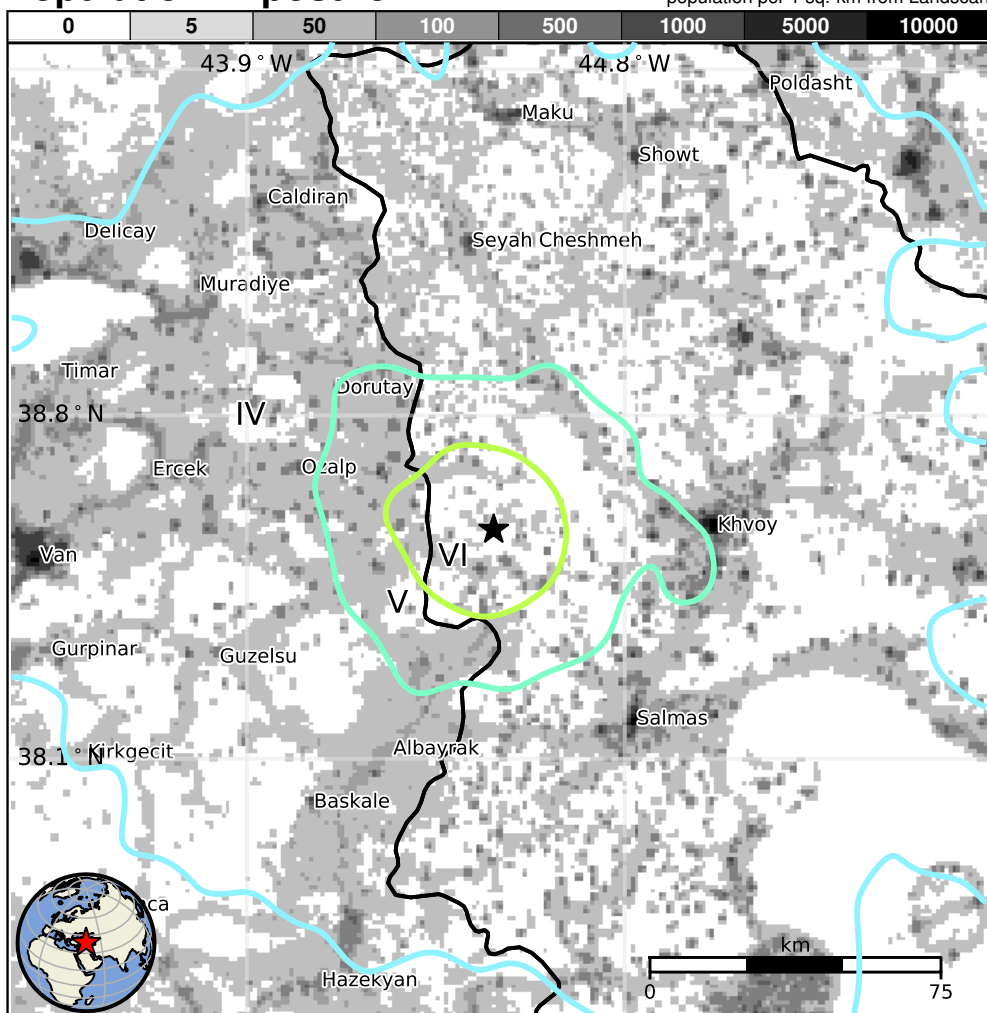


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	156k*	1,930k	234k	25k	2k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1991-07-24	218	5.5	VII(2k)	20
1977-03-25	381	5.3	VII(1k)	30
1988-12-07	265	6.7	IX(50k)	25k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Saray	<1k
V	Ozalp	8k
IV	Khvoy	175k
IV	Salmas	82k
IV	Dorutay	<1k
IV	Albayrak	<1k
IV	Qarah Zia' od Din	32k
IV	Van	372k
IV	Baskale	15k
IV	Ercis	92k
IV	Nakhchivan	65k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70007v29#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70007v29